

1974

# Career Report

University of Southern Mississippi

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# CAREER

The  
Career  
University

## Report

SPRING, 1974

THIS BOOK MUST BE USED IN



### Career Center Aids Students

A new Center for Career Development has been established to provide Mississippians with any kind of career assistance. This Center will serve as a depository and disseminator of current career information as well as projections and trends for the future.

Information for this service will be obtained from various governmental and educational agencies including the Research and Development Center, the Governor's Office of Education, the State Department of Education, and the Mississippi Employment Service.

The Center's prime function will be to provide a Career Development Service. Through testing, advisement, and consultation, this service will assist any individual in learning more about himself in order to make appropriate decisions.

Testing of abilities, aptitudes, interests, needs, and values will be used to assist individuals in making career plans and goals.

Other University offices will assist the Center in working with applicants. The Center will determine needs or interests and arrange for appointments with other University offices.

Dr. Jack L. Daniels, Director of the Center for Career Development, stated that the Center should be in operation by June 1, 1974. Prior to that time limited information will be available. It is anticipated that individuals needing the services of the Center can be seen any time after June 1, 1974, by appointment. Interested individuals may contact Dr. Daniels at Box 112, Southern Station, Hattiesburg, MS 39401, or telephone 266-7307.

### Careers On Target At USM

Intent on preparing its students for profitable and practical careers in today's society, the University of Southern Mississippi has zeroed in on targets of career-oriented education.

#### A HARD FACT

At many other colleges and universities where traditional curricula hold sway, many graduates do not find jobs waiting after commencement. No longer is just any college degree a one-way ticket to success, and, as the energy crisis becomes more acute, fewer and fewer jobs are likely to be available. Competition constantly increases for job opportunities. In this competition, graduates with career training have the edge in the quest for employment.

#### ON TARGET

The University of Southern Mississippi's philosophy regarding careers was set three years ago when Dr. Charles W. Moorman, Dean of the University, said, "When a student comes to us, we'll sit down right then and there and help him plan an academic program to fit his individual needs." Since that time, the University has constantly updated existing programs and initiated new ones aimed at providing career-oriented education.

#### THE AIM

In developing the career concept of higher education, the University has had replenishing the Mississippi job market with Mississippi graduates foremost in mind. As new programs are developed and old programs realigned to fit into the career concept, the USM administration has designed these programs to keep Mississippians in Mississippi.

#### IN SCIENCE-TECHNOLOGY

This concept is quite evident in the College of Science and Technology, where

new programs have leaders of business and industry serving on an Advisory Board for the respective programs. These leaders serve to keep the educators current on new trends in the particular industry so that programs might be revised periodically to give students the latest information and data. This development of programs at the Career University involves surveying industry to determine the particular job market, job market projection, job flexibility, and salary range projection for the next few years.

#### DEVELOPMENT

A recently approved Center for Career Development will be available to Mississippians to aid in career decision, counseling, testing, and placement. Career information will be available to individuals and groups to keep Mississippians informed regarding job markets, salary ranges, and to provide other information in a wide range of career areas. The University provides not only the appropriate academic programs but also gives every student the individual attention he needs for a successful university career.

For Career  
Information  
call  
Dr. Jack Daniels  
at  
(601)-266-7307

# What Is The Current Employment Picture?

What is the employment picture for graduates of Mississippi colleges and universities? A report prepared by Carl Lawrence, placement director at USM, indicates the following trends.

## **LIBERAL ARTS**

Graduates in liberal arts are having problems finding suitable employment unless they specialize in certain areas. Employment in the criminal justice field is excellent. The old degree in geography has changed, and students now specialize in such areas as watershed planner, natural resource administrator, or research planner. Another good field is communications, including photojournalism, public relations, advertising and broadcasting.

## **BUSINESS ADMINISTRATION**

Generally, all degrees in the area of business are pretty much in demand. Majors in accounting, accounting-data processing, economics, general business, finance, real estate and insurance, management, industrial management, sales management and marketing find employment opportunities to be many and varied. Accounting and accounting-data processing graduates are very much in demand from both industry and public accounting firms, as well as federal and state agencies. Marketing and sales management majors are needed in sales and in management trainee programs. Representatives of real estate and insurance companies are always looking for good graduates. Major retail firms and organizations dealing in merchandising are always seeking business graduates.

## **FINE ARTS**

Employment for talented and well trained artists and musicians is fairly good. Opportunities especially exist for commercial artists, industrial designers, and interior designers and decorators. The number of vacancies for teachers in art education this year exceeded the number of available graduates, and more elementary and secondary schools are putting in art programs as money for equipment becomes available.

## **NURSING**

The demand for nurses far exceeds the supply in hospitals, health departments, health centers, nursing homes, industry and schools. A career in nursing is one of the better fields as far as job opportunities are concerned.

## **HOME ECONOMICS**

Many people think that a degree in home economics or home economics education means teaching in the local school system.

Many changes in this area have taken place in the last few years. Job opportunities now extend into the areas of cooperative extension service home economists, the U.S. Department of Agriculture Home Economists, agricultural and industrial board home economists, and welfare service worker. Another good area of employment is consumer specialist or adviser for a federal agency, bank, savings and loan association, a grocery or department store. Other areas include clothing and textiles, clothing merchandising, marriage and family living, child development, food and nutrition, dietetics, and institution management.

## **NEED HELP?**

Persons planning to attend USM who haven't decided on a major can receive help from the Office of Advisement. They would be wise to contact Director Charles McNeill, Southern Station, Box 11, Hattiesburg, Miss. 39401, telephone 266-7113, to arrange an appointment for testing and advisement.

## **EDUCATION & PSYCHOLOGY**

The demand for good secretaries is great, especially in the new programs of executive secretarial studies and the bilingual secretarial program. Office management, including positions of office managers, supervisors, and specialists is an open field. Good opportunities are available as clerk-stenographer, clerk-typist, receptionist, record or inventory clerk, and office machines operator. Job opportunities in the field of special education are excellent, including the areas of teachers and specialists in retardation, specific learning disabilities, emotionally disturbed, gifted, and the visually and physically handicapped. Workers in industrial arts education and industrial vocational education are very much in demand. Secondary teaching jobs in industrial arts are available in all the Southeastern states. Jobs for school, public, and business librarians are available.

## **HPE&R**

Job opportunities in recreation are available in community and municipal recreation, park and recreation planning, outdoor recreation and resources management and therapeutic recreation.

Teachers are needed in physical education if graduates are willing to relocate; other opportunities exist as therapist, health spa director, or YMCA-YWCA director. Athletic directors, trainers, managers, coaches, and teachers in athletic administration and coaching are in demand. Other opportunities exist in Red Cross field work and Scouting, and commercial opportunities are good in sporting goods sales and executive levels.

## **SCIENCE & TECHNOLOGY**

Programs in science and technology now are the most productive in providing jobs for graduates. To cite only a few of the areas where starting salaries are high and the demand for graduates is great, there are plastics technology, medical technology, architectural technology, marine and fisheries biology, chemistry, computer science, geology and regional planning, mathematics analysts, microbiology, polymer science, and environmental science.

## **New Technology Programs In Science**

Five new career-oriented technology programs in the College of Science and Technology have been approved at USM. The new curricula are food science and technology, building construction technology, computer technology, industrial technology, and mechanical technology.

"A technology graduate at Southern will possess the necessary technical information, business orientation, and the 'real-world' practicality to be an immediate contributor in a wide variety of job settings," said Dr. Shelby F. Thames, dean of the College of Science and Technology. "The career-oriented programs truly signal a new era of cooperation and mutual concern between the taxpayer and the professional educator."

Approximately 40 representatives from industry and professional associations served on an industrial advisory board to aid with formulation of the programs, and the Mississippi Research and Development Center surveyed 60 industrial organizations within Mississippi and 15 out-of-state companies to provide additional information.

The College of Science and Technology now has science and technology curricula to train students for more than 170 careers.



# A Career in Medical Technology

Dr. William R. Brundage  
Chairman  
Department of Medical Technology  
University of  
Southern Mississippi

The medical technologist performs many routine and specialized tests in the clinical laboratory for the purpose of developing data which may be utilized by a physician for the determination of the presence and extent of disease, to monitor treatment of the disease, as well as to establish the cause of the disease.

The myriad of tests and procedures performed or supervised by the medical technologist in the clinical laboratory includes the major areas of hematology, serology and immunology, chemistry, blood banking, microbiology, parasitology, urinalysis, and cytogenetics.

To be suited for a career in medical technology, one must have an aptitude and interest in the physical and biological sciences. Since the work frequently deals with life and death matters, it requires precision, dependability, and a strong sense of responsibility. A successful technologist must have concern for his fellow man.

Technologists in small laboratories often perform many types of tests. Those in large laboratories usually specialize in several kinds of related tests in one of the areas mentioned above.

At the present time, and for the immediate future, the place of employment is a matter of personal preference. There are more employment opportunities than there are medical technologists. The greatest number of technologists are presently employed in hospitals. Working conditions, opportunities, salary, and experience to be gained vary with the size and type of hospital.

The hospitals may be divided into small (less than 75 beds), medium (75 to 300 beds), and large (300 or more beds). Each size hospital has certain advantages and disadvantages. Other places of employment include private laboratories, public health laboratories, sales with companies manufacturing laboratory equipment or supplies, industry, research, or teaching.

**Salaries.** So many factors influence compensation that it is difficult to be definite. A small hospital may offer more than a larger one. Some geographic areas are unpopular; hence, the salaries in such

places rise. The positions requiring the greatest responsibility pay the highest salaries. Following are some job titles and pay scales that are available to graduate medical technologists in Mississippi:

Administrative Technologists	\$1,000-2,500 per month average
Education Coordinators	900-2,400 per month average
Supervising Technologists	850-2,200 per month average
Senior Technologists	800-2,000 per month average
Staff Technologists	650-1,800 per month average

Preparation to become a medical technologist must meet the requirements as outlined by the Council on Medical Education of the American Medical Association and the National Accrediting Agency of Clinical Laboratory Sciences. The requirements must (1) include a certain number of courses in biology and chemistry, (2) include a year of clinically oriented training, and (3) end in a degree.

If these prerequisites are met, the student is then eligible to take a national registry examination given by the Board of Registry of the American Society of Clinical Pathologists. Successful completion certifies one as a Registered Medical Technologist, MT(ASCP).

The program in Medical Technology at the University of Southern Mississippi is an innovative program designed to produce the best trained and qualified medical technologists possible. The department offers a four-year program of academic and clinical instruction leading to the Bachelor of Science Degree in Medical Technology.

Unlike other medical technology programs in the State of Mississippi, students are not allowed to take the minimum number of required courses for a three-year period and then transfer to a hospital-based school of medical technology for the senior year. The NAACLS is encouraging the establishment of university-based programs as a means of upgrading medical technology training, so the program is a four-year program, not a three plus one as has been the practice in the past.

During the first two years of study, the student acquires a basic knowledge in biology, chemistry, mathematics, and microbiology. The junior year builds on these basic principles as the student is introduced to clinical laboratory medicine. This is accomplished through

such courses as Fundamentals of Hematology, Pathogenic Microbiology, Biochemistry, Clinical Methods of Analysis, etc.

The final or senior year is taught at an academic level that takes into consideration the level of competence obtained through the junior year. Therefore, it is important that the student complete those courses required during the first three years of study.

During his junior year, the student applies to the department for admission into the senior class. Two senior classes are admitted each year, one in June and the second in December. Two phases of training make up the senior year: Phase I, a six-month didactic session in a teaching laboratory at the University of Southern Mississippi campus; and Phase II, a six-month clinical session at an affiliated hospital.

Following is a list of those hospitals presently affiliated with the University of Southern Mississippi Department of Medical Technology: Memorial Hospital, Gulfport, Mississippi; Forrest County General Hospital, Hattiesburg, Mississippi; Pathology Laboratory, Hattiesburg, Mississippi; and Singing River Hospital, Pascagoula, Mississippi.

The NAACLS has approved a total of 32 senior students per 12-month period or 16 students per class, making this one of the largest programs in the nation.

Medical Technology is but one of nine technology programs to be found in the College of Science and Technology.

## USM Expenses

To assist in financial planning, the following table shows fees (for Mississippi residents) at USM. Expenses will vary with the students' type of housing, course of study, choice of food, recreation, transportation, and other factors. Fees and expenses are in the form of incidental fees, room and board, and special fees. The fee and expense listing below is brief; for a complete listing, see the University Bulletin.

<b>FULL-TIME STUDENTS</b>	
Fixed Fees, per quarter	
Incidental fee	\$159.00
Room rent—air-conditioned resident halls	\$110.00
Room rent—other residence halls	\$90.00
Board	\$125.00
Note: Hillcrest (room & board)	\$280.00
Elam Arms (room & board)	\$280.00
Vann Hall (room & board)	\$255.00
Other Fees When Applicable	
Post Office Box	\$1.25
<b>PART-TIME STUDENTS, each semester hour</b>	
Incidental fee, undergraduate	\$19.00
Incidental fee, graduate	\$24.00

## Weak English Students Get Help At USM

Entering freshmen who are weak in English get a break at USM.

They are not flunked out of school during the first two quarters because they fail English.

Needing an intensive course in reading comprehension and writing proficiency, they are placed in English 100 (Fundamentals) where they have the opportunity to overcome their lack of poor preparation in English.

This course is offered on only a pass-fail basis, but the student may receive an E rather than a F for his first two failures in the course. An E is not figured in overall

grade points in computing a student's academic average.

On the third attempt, the student must either pass English 100 or receive an F. In other words, the entering freshman student who is weak in English has three quarters in which to achieve sufficient proficiency in English before an F will be computed in grade averages.

Few students who really try fail English 100 in three attempts.

## Under-Prepared Math Students Have Free Tutors

A Mathematics Learning Center and a new mathematics course for under-prepared students are part of the special

assistance given to students by the USM Department of Mathematics.

The new course, MAT 100 — Developmental Mathematics, will be offered for the first time next fall. "This course will be especially helpful to students who have had little or no background in mathematics or for the student entering college who has had only general mathematics."

Many lucrative fields are open today for students, and this special course is also designed to provide students with the level of competency toward developing careers in these fields.

The Learning Center will contain multimedia aids for use in MAT 100, study tables, reference texts, mathematics periodicals, etc., and will be a place where students may go to discuss mathematics, to study, and to obtain tutoring in any mathematics course.

Published

## CAREER Report

By Center for Career Development

**CAREER DEVELOPMENT  
BOX 112  
SOUTHERN STATION  
HATTIESBURG, MS 39401**

**University of Southern Mississippi**



**FAST ADMISSIONS SERVICE**—To handle admissions efficiently and quickly, the Office of Admissions and Special Academic Services uses a computer terminal in its office connected with the University's Sigma 9 computer system.

## Summer Calendar

Tuesday, May 14 — Deadline for making application for admission.

Monday, June 3 — Orientation for freshman and transfer students; Registration by appointment.

Tuesday, June 4 — Continuation of registration by appointment; Only day to register for full quarter or first term courses without late fee.

Wednesday, June 5 — Day classes meet on schedule.

Friday, June 7 — Last day for registering or adding first term courses.

Wednesday, June 12 — Last day for registering or adding full quarter courses; Last day for dropping first term courses.

Monday, July 8 — Registration for second term of Summer Quarter; Second term courses may be added without change of schedule fee.

Wednesday, July 10 — Last day for registering or adding second term courses.

Friday, Aug. 9 — Last day of regularly scheduled classes.

Monday, Tuesday, Wednesday, Aug. 12, 13, 14 — Summer Quarter Examinations.

Wednesday, Aug. 14 — Graduation Exercises.